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Search for Display Show Range: from to Reverse complemented strandFeatures: 1: NM_080751. Reports *Homo sapiens* tran...[gi:94536851]

Links

Comment Features Sequence

LOCUS NM_080751 3169 bp mRNA linear PRI 14-MAY-2006
DEFINITION Homo sapiens transmembrane channel-like 2 (TMC2), mRNA.
ACCESSION NM_080751
VERSION NM_080751.2 GI:94536851
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SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini;
Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 3169)
AUTHORS Kimura,K., Wakamatsu,A., Suzuki,Y., Ota,T., Nishikawa,T.,
Yamashita,R., Yamamoto,J., Sekine,M., Tsuritani,K., Wakaguri,H.,
Ishii,S., Sugiyama,T., Saito,K., Isono,Y., Irie,R., Kushida,N.,
Yoneyama,T., Otsuka,R., Kanda,K., Yokoi,T., Kondo,H., Wagatsuma,M.,
Murakawa,K., Ishida,S., Ishibashi,T., Takahashi-Fujii,A.,
Tanase,T., Nagai,K., Kikuchi,H., Nakai,K., Isogai,T. and Sugano,S.
TITLE Diversification of transcriptional modulation: large-scale
identification and characterization of putative alternative
promoters of human genes
JOURNAL Genome Res. 16 (1), 55-65 (2006)
PUBMED 16344560
REFERENCE 2 (bases 1 to 3169)
AUTHORS Kurima,K., Yang,Y., Sorber,K. and Griffith,A.J.
TITLE Characterization of the transmembrane channel-like (TMC) gene
family: functional clues from hearing loss and epidermolytic
verruciformis
JOURNAL Genomics 82 (3), 300-308 (2003)
PUBMED 12906855
REFERENCE 3 (bases 1 to 3169)
AUTHORS Keresztes,G., Mutai,H. and Heller,S.
TITLE TMC and EVER genes belong to a larger novel family, the TMC gene
family encoding transmembrane proteins
JOURNAL (er) BMC Genomics 4 (1), 24 (2003)
PUBMED 12812529
REFERENCE 4 (bases 1 to 3169)
AUTHORS Kurima,K., Peters,L.M., Yang,Y., Riazuddin,S., Ahmed,Z.M., Naz,S.,
Arnaud,D., Drury,S., Mo,J., Makishima,T., Ghosh,M., Menon,P.S.,
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Keats,B.J., Wilcox,E.R., Friedman,T.B. and Griffith,A.J.
TITLE Dominant and recessive deafness caused by mutations of a novel
gene, TMC1, required for cochlear hair-cell function
JOURNAL Nat. Genet. 30 (3), 277-284 (2002)
PUBMED 11850618
COMMENT VALIDATED REFSEQ: This record has undergone preliminary review of
the sequence, but has not yet been subject to final review. The
reference sequence was derived from AF417580.2, DA769512.1 and
AL049712.12.
On May 4, 2006 this sequence version replaced gi:20304092.

Summary: This gene is considered a member of a gene family predicted to encode transmembrane proteins. The specific function of this gene is unknown; however, expression in the inner ear suggests that it may be crucial for normal auditory function. Mutations in this gene may underlie hereditary disorders of balance and hearing.

FEATURES Location/Qualifiers

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 1: [AF417580](#). Reports *Homo sapiens* tran...[gi:28642834]

Links

Comment Features Sequence

LOCUS AF417580 3169 bp mRNA linear PRI 05-MAR-2003
DEFINITION *Homo sapiens* transmembrane channel-like protein 2 (TMC2) mRNA, complete cds.
ACCESSION AF417580
VERSION AF417580.2 GI:28642834
KEYWORDS
SOURCE *Homo sapiens* (human)
ORGANISM *Homo sapiens*
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini; Catarrhini; Hominidae; *Homo*.
REFERENCE 1 (bases 1 to 3169)
AUTHORS Kurima,K., Peters,L.M., Yang,Y., Riazuddin,S., Ahmed,Z.M., Naz,S., Arnaud,D., Drury,S., Mo,J., Makishima,T., Ghosh,M., Menon,P.S.N., Deshmukh,D., Oddoux,C., Ostrer,H., Khan,S., Raizuddin,S., Deininger,P.L., Hampton,L.L., Sullivan,S.L., Battey,J.F., Keats,B.J.B., Wilcox,E.R., Friedman,T.B. and Griffith,A.J.
TITLE Dominant and recessive deafness caused by mutations of a novel gene, TMC1, required for cochlear hair-cell function
JOURNAL Nat. Genet. 30 (3), 277-284 (2002)
PUBMED [11850618](#)
REFERENCE 2 (bases 1 to 3169)
AUTHORS Kurima,K., Griffith,A.J. and Friedman,T.B.
TITLE Direct Submission
JOURNAL Submitted (10-SEP-2001) NIDCD, NIH, 5 Research Court, #2A02, Rockville, MD 20850, USA
REFERENCE 3 (bases 1 to 3169)
AUTHORS Kurima,K., Griffith,A.J. and Friedman,T.B.
TITLE Direct Submission
JOURNAL Submitted (03-MAR-2003) NIDCD, NIH, 5 Research Court, #2A02, Rockville, MD 20850, USA
REMARK Sequence update by submitter
COMMENT On Mar 3, 2003 this sequence version replaced gi:[19223982](#).
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Apr 11 2006 19:57:30

AF417580

LOCUS AF417580 3169 bp mRNA linear PRI 05-MAR-2003

DEFINITION Homo sapiens transmembrane channel-like protein 2 (TMC2) mRNA, complete cds.

ACCESSION AF417580

VERSION AF417580.2 GI:28642834

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 3169)

AUTHORS Kurima, K., Peters, L.M., Yang, Y., Riazuddin, S., Ahmed, Z.M., Naz, S., Arnaud, D., Drury, S., Mo, J., Makishima, T., Ghosh, M., Menon, P.S.N., Deshmukh, D., Oddoux, C., Ostrer, H., Khan, S., Raizuddin, S., Deininger, P.L., Hampton, L.L., Sullivan, S.L., Battey, J.F., Keats, B.J.B., Wilcox, E.R., Friedman, T.B. and Griffith, A.J.

TITLE Dominant and recessive deafness caused by mutations of a novel gene, TMC1, required for cochlear hair-cell function

JOURNAL Nat. Genet. 30 (3), 277-284 (2002)

PUBMED 11850618

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AUTHORS Kurima, K., Griffith, A.J. and Friedman, T.B.

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REFERENCE 3 (bases 1 to 3169)

AUTHORS Kurima, K., Griffith, A.J. and Friedman, T.B.

TITLE Direct Submission

JOURNAL Submitted (03-MAR-2003) NIDCD, NIH, 5 Research Court, #2A02, Rockville, MD 20850, USA

REMARK Sequence update by submitter

COMMENT On Mar 3, 2003 this sequence version replaced gi:19223982.

FEATURES

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ORIGIN

Query Match 100.0%; Score 3169; DB 8; Length 3169;
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 Matches 3169; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy	301	GAGGGCAGGAGAAAGCGCGACGAGAGGGCTCCTCCAGGAGCGACAGCAGCCCCAAAG	360
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